

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

L Number	Hits	Search Text	DB	Time stamp
9	0	347/62 and piezo and (vibrat\$4 and (detect\$4 or sens\$4) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:43
10	14	347/62 and piezo and vibrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:42
11	131	347/54 and piezo and vibrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:43
12	6	347/54 and piezo and vibrat\$4 and ((detect\$4 or sens\$4) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:44
13	33	347/19 and piezo and vibrat\$4 and ((detect\$4 or sens\$4) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:44
14	32	(347/19 and piezo and vibrat\$4 and ((detect\$4 or sens\$4) with ink\$2)) not (347/54 and piezo and vibrat\$4 and ((detect\$4 or sens\$4) with ink\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:44
-	0	"07137291"	JPO; DERWENT	2003/05/19 08:44
-	1	"56039413"	JPO; DERWENT	2002/10/01 14:02
-	1	"05318757"	JPO; DERWENT	2002/10/01 14:03
-	2	"10305590"	JPO; DERWENT	2002/10/01 14:04
-	0	"07137291"	USPAT; US-PGPUB; JPO; DERWENT	2002/10/01 14:02
-	1	"56039413"	USPAT; JPO; DERWENT	2002/10/01 14:02
-	2	"05318757"	USPAT; JPO; DERWENT	2002/10/01 14:03
-	2	"10323997"	JPO; DERWENT	2002/10/01 14:04
-	1	"04234670"	JPO; DERWENT	2002/10/01 14:04
-	2	"11277760"	JPO; DERWENT	2002/10/01 14:07
-	2	"11010909"	JPO; DERWENT	2002/10/01 14:07
-	1	("6347853").PN.	USPAT; US-PGPUB	2002/10/01 14:07
-	352	347/7.ccls.	USPAT; US-PGPUB	2002/10/01 17:00
-	293	347/7.ccls. and detect\$4	USPAT; US-PGPUB	2002/10/03 10:44
-	288	347/7.ccls. and detect\$4 and ink\$2	USPAT; US-PGPUB	2002/10/03 10:48
-	179	347/7.ccls. and detect\$4 and ink\$2 and carriage\$2	USPAT; US-PGPUB	2002/10/01 17:01
-	32	347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and vibrat\$4	USPAT; US-PGPUB	2002/10/01 15:45
-	56	347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10	USPAT; US-PGPUB	2002/10/01 15:51

-	20	(347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and vibrat\$4) not (347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10)	USPAT; US-PGPUB	2002/10/01 15:45
-	793	347/19.ccls.	USPAT; US-PGPUB	2002/10/01 15:50
-	649	347/19.ccls. and detect\$4	USPAT; US-PGPUB	2002/10/01 15:51
-	636	347/19.ccls. and detect\$4 and ink\$2	USPAT; US-PGPUB	2002/10/01 15:51
-	163	347/19.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10	USPAT; US-PGPUB	2002/10/01 15:52
-	43	347/19.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10 and vibrat\$4	USPAT; US-PGPUB	2002/10/01 15:52
-	40	(347/19.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10 and vibrat\$4) not (347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10)	USPAT; US-PGPUB	2002/10/01 15:52
-	40	((347/19.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10 and vibrat\$4) not (347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10)) not ((347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and vibrat\$4) not (347/7.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10))	USPAT; US-PGPUB	2002/10/01 16:43
-	232	347/5.ccls.	USPAT; US-PGPUB	2002/10/02 17:22
-	152	347/5.ccls. and detect\$4	USPAT; US-PGPUB	2002/10/01 17:00
-	145	347/5.ccls. and detect\$4 and ink\$2	USPAT; US-PGPUB	2002/10/01 17:01
-	94	347/5.ccls. and detect\$4 and ink\$2 and carriage\$2	USPAT; US-PGPUB	2002/10/01 17:01
-	21	347/5.ccls. and detect\$4 and ink\$2 and carriage\$2 and piezo\$10	USPAT; US-PGPUB	2002/10/01 17:01
-	0	347/7.ccls. and detect\$4 and ((turn\$4 or switch\$4) adj on)	USPAT; US-PGPUB	2002/10/02 14:48
-	0	347/5.ccls. and detect\$4 and ((turn\$4 or switch\$4) adj on)	USPAT; US-PGPUB	2002/10/02 14:47
-	204	347/7.ccls. and detect\$4 and (power near\$2 on)	USPAT; US-PGPUB	2002/10/02 14:48
-	655	347/5,7,19.ccls. and ink\$4 and detect\$4 and carriage\$2	USPAT; US-PGPUB	2002/10/02 17:23
-	30	347/5,7,19.ccls. and ink\$4 and detect\$4 and carriage\$2 and shock\$2	USPAT; US-PGPUB	2002/10/02 18:07
-	1	("5132711").PN.	USPAT; US-PGPUB	2002/10/02 18:08
-	9	((("5132711") or ("6347853") or ("6416152") or ("6254212") or ("6334658") or ("4677448") or ("4977413") or ("4196625") or ("4604633")).PN.	USPAT; US-PGPUB	2002/10/03 09:34
-	9	(US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did.	USPAT	2002/10/03 14:13
-	4	((US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did.) and frequenc\$4	USPAT; US-PGPUB	2002/10/03 09:49
-	72	347/5,7,19.ccls. and detect\$4 and (measur\$4 adj tim\$4)	USPAT; US-PGPUB	2002/10/03 12:24
-	39	347/5,7,19.ccls. and detect\$4 and (measur\$4 adj tim\$4) and frequenc\$4	USPAT; US-PGPUB	2002/10/03 09:53
-	1	347/7.ccls. and 399/\$.ccls.	JPO; DERWENT	2002/10/03 10:38
-	16	347/7.ccls. and 399/\$.ccls.	USPAT; US-PGPUB	2002/10/03 10:44

-	447	347/37.ccls.	USPAT; US-PGPUB	2002/10/03 10:44
-	272	347/37.ccls. and detect\$4	USPAT; US-PGPUB	2002/10/03 10:44
-	266	347/37.ccls. and detect\$4 and ink\$2	USPAT; US-PGPUB	2002/10/03 10:45
-	230	347/37.ccls. and detect\$4 and ink\$2 and carriage\$2	USPAT; US-PGPUB	2002/10/03 11:10
-	24	347/37.ccls. and detect\$4 and ink\$2 and carriage\$2 and shock\$4	USPAT; US-PGPUB	2002/10/03 10:47
-	15	347/7.ccls. and detect\$4 and ink\$2 and fuse\$2	USPAT; US-PGPUB	2002/10/03 11:10
-	807	73/290V	USPAT; US-PGPUB	2002/10/03 11:10
-	0	73/290V.ccls. and detect\$4 and ink\$2 and carriage\$2	USPAT; US-PGPUB	2002/10/03 11:10
-	369	73/290V.ccls. and detect\$4	USPAT; US-PGPUB	2002/10/03 11:11
-	6	73/290V.ccls. and detect\$4 and ink\$2	USPAT; US-PGPUB	2002/10/03 11:23
-	1	("5964156").PN.	USPAT; US-PGPUB	2002/10/03 11:24
-	1	("5694156").PN.	USPAT; US-PGPUB	2002/10/03 11:56
-	0	(US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did. and (periodic adj peak)	USPAT	2002/10/03 12:23
-	0	(US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did. and (periodic)	USPAT	2002/10/03 12:23
-	1	347/5,7,19,37.ccls. and detect\$4 and (periodic adj peak)	USPAT; US-PGPUB	2002/10/03 14:14
-	1	(US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did. and (average\$2 or mean\$2)	USPAT	2002/10/03 14:13
-	311	347/5,7,19,37.ccls. and detect\$4 and average\$2	USPAT; US-PGPUB	2002/10/03 14:15
-	304	347/5,7,19,37.ccls. and detect\$4 and average\$2 and ink\$2	USPAT; US-PGPUB	2002/10/03 14:15
-	310	347/5,7,19,37.ccls. and detect\$4 and average\$2 and (ink\$2 near\$2 (level or consum\$6))	USPAT; US-PGPUB	2002/10/03 14:16
-	229	347/5,7,19,37.ccls. and detect\$4 and average\$2 and (ink\$2 near\$2 (level or consum\$6)) and calculat\$4	USPAT; US-PGPUB	2002/10/03 14:17
-	45	347/5,7,19,37.ccls. and detect\$4 and average\$2 and (ink\$2 adj (level or consum\$6)) and calculat\$4	USPAT; US-PGPUB	2002/10/03 14:19
-	44	(347/5,7,19,37.ccls. and detect\$4 and average\$2 and (ink\$2 adj (level or consum\$6)) and calculat\$4) not ((US-5132711-\$ or US-6254212-\$ or US-6334658-\$ or US-6347853-\$ or US-6416152-\$ or US-4196625-\$ or US-4604633-\$ or US-4677448-\$ or US-4977413-\$).did. and (average\$2 or mean\$2))	USPAT; US-PGPUB	2002/10/03 14:19
-	15	347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/16 14:50

-	27	347/19 and ((detect\$4 or sens\$4) with piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:20
-	12	(347/19 and ((detect\$4 or sens\$4) with piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 14:50
-	0	"07137291"	JPO; DERWENT	2003/05/16 14:53
-	0	"7137291"	JPO; DERWENT	2003/05/16 14:54
-	1	"05286334"	JPO; DERWENT	2003/05/16 14:54
-	0	"07137291"	JPO; DERWENT	2003/05/16 14:54
-	0	"07-137291"	JPO; DERWENT	2003/05/16 14:54
-	0	"70137291"	JPO; DERWENT	2003/05/16 14:55
-	1	"05318757"	JPO; DERWENT	2003/05/16 14:55
-	1800	347/19 and (detect\$4 or sens\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:23
-	40	347/19 and ((detect\$4 or sens\$4) same piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:26
-	13	(347/19 and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:24
-	13	((347/19 and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo))) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:24
-	147	347/19 and ((detect\$4 or sens\$4) and piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:26
-	21	347/7 and ((detect\$4 or sens\$4) same piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:36
-	14	(347/7 and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:30
-	13	((347/7 and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)) not (347/19 and ((detect\$4 or sens\$4) with piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:30
-	12	((347/7 and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)) not (347/19 and ((detect\$4 or sens\$4) with piezo))) not (347/19 and ((detect\$4 or sens\$4) same piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:30

-	10	347/5 and ((detect\$4 or sens\$4) same piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:38
-	10	347/37 and ((detect\$4 or sens\$4) same piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:41
-	56	73/290V and ((detect\$4 or sens\$4) same piezo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:41
-	56	(73/290V and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:41
-	56	((73/290V and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)) not (347/19 and ((detect\$4 or sens\$4) with piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:41
-	56	((73/290V and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)) not (347/19 and ((detect\$4 or sens\$4) with piezo)) not (347/19 and ((detect\$4 or sens\$4) same piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:41
-	56	((73/290V and ((detect\$4 or sens\$4) same piezo)) not (347/19 and ((detect\$4 or sens\$4) with piezo) and cartridge)) not (347/19 and ((detect\$4 or sens\$4) with piezo)) not (347/19 and ((detect\$4 or sens\$4) same piezo)) not (347/5 and ((detect\$4 or sens\$4) same piezo))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/16 15:42
-	77	347/19 and ((sens\$4 or detect\$4) with carriage\$2 with (speed or velocity))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:15
-	63	347/\$.ccls. and (carriage\$2 with shock\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:16
-	1	347/\$.ccls. and (carriage\$2 with jolt\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:15
-	144	347/19 and (cartridge with memory) and ((sens\$4 or detect\$4) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 10:49
-	47	347/19 and (cartridge with memory) and ((sens\$4 or detect\$4) with ink\$2 with (consumption or level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 10:32
-	0	347/19 and (cartridge with memory) and ((sens\$4 or detect\$4) with piezo) with ink\$2 with (consumption or level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 10:33

-	3	347/19 and (cartridge with memory) and (((sens\$4 or detect\$4) with piezo) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 10:47
-	1	"6416152"	DERWENT	2003/05/19 10:47
-	1	2002-672740.NRAN.	DERWENT	2003/05/19 10:47
-	0	6416152.URPN.	USPAT	2003/05/19 10:48
-	97	(347/19 and (cartridge with memory) and ((sens\$4 or detect\$4) with ink\$2)) not (347/19 and (cartridge with memory) and ((sens\$4 or detect\$4) with ink\$2 with (consumption or level)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 10:58
-	1	("5506611").PN.	USPAT; US-PGPUB	2003/05/19 10:58
-	1157	shock with cartridge	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:15
-	107	347/\$.ccls. and (cartridge\$2 with shock\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:40
-	90	(347/\$.ccls. and (cartridge\$2 with shock\$2)) not (347/\$.ccls. and (carriage\$2 with shock\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:16
-	146	347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:46
-	42	347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2 with cartridge\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:41
-	32	(347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2 with cartridge\$2)) not (347/\$.ccls. and (carriage\$2 with shock\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:42
-	27	((347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2 with cartridge\$2)) not (347/\$.ccls. and (carriage\$2 with shock\$2))) not (347/\$.ccls. and (carriage\$2 with shock\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:42
-	129	(347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2)) not (347/\$.ccls. and (carriage\$2 with shock\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:47
-	123	((347/\$.ccls. and (vibrat\$4 with ink\$2 with carriage\$2)) not (347/\$.ccls. and (carriage\$2 with shock\$2))) not (347/\$.ccls. and (carriage\$2 with shock\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 12:22
-	67	347/19 and confirmation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:08
-	318	347/19 and (confirm\$6 and ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:09

-	130	347/19 and (confirm\$6 with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:18
-	327	347/19 and cartridge\$2 and count and ink\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:18
-	62	347/19 and (cartridge\$2 with count with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:32
-	305	347/7 and (ink with cartridge\$2) and count\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:35
-	70	347/7 and (ink with cartridge\$2) and count\$4 and confirm\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:38
-	1	347/7 and (ink with cartridge\$2 with count\$4 with confirm\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:39
-	661	347/7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 13:39
-	82	347/7.ccls. and canon and light	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 15:07
-	0	347/7.ccls.	USOCR	2003/05/19 15:07
-	394	347/7.ccls.	USPAT; US-PGPUB	2003/05/19 15:07
-	1288516	detect\$4 or sens\$4	USPAT; US-PGPUB	2003/05/19 15:09
-	366	347/7.ccls. and (detect\$4 or sens\$4)	USPAT; US-PGPUB	2003/05/19 15:09
-	81	(347/7.ccls. and (detect\$4 or sens\$4)) and (mean or average)	USPAT; US-PGPUB	2003/05/19 15:09
-	309	347/37 and (carriage with (speed or velocity))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 13:42
-	21	347/37 and (carriage with (speed or velocity) with error\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 13:42
-	207	347/54 and piezo	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 13:43
-	131	347/54 and piezo and vibrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:24

-	2	347/54 and piezo and vibrat\$4 and (peak with ((electromotive adj force) or EMF or volt\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 13:45
-	6	347/54 and piezo and (vibrat\$4 and (detect\$4 or sens\$4) with ink\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 14:24
-	6	(347/54 and piezo and (vibrat\$4 and (detect\$4 or sens\$4) with ink\$2)) not (347/54 and piezo and vibrat\$4 and (peak with ((electromotive adj force) or EMF or volt\$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/21 13:50